PE TITLE: EW Development

PE NUMBER: 0604270F

	RDT&E BUDGET ITEM	I JUSTI	FICATI	ON SH	EET (R	-2 Exhi	bit)		DATE	Februar	y 2003
	T ACTIVITY System Development and Demons	tration (SDD)		UMBER AND 4270F	TITLE EW Deve	elopmen	t			
	COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
	Total Program Element (PE) Cost	43,838	67,226	74,034	42,554	35,894	181,631	139,728	105,497	Continuing	TBD
1011	Joint Service Electronic Combat Systems Tester	2,521	2,796	0	0	0	0	0	0	0	48,434
2462	Compass Call (CC)	0	0	0	0	0	0	0	0	0	66,037
3891	Advanced IR Counter Measures (AIRCM)	991	9,492	5,453	3,094	3,128	3,166	3,200	3,278	Continuing	TBD
3945	TEWS Upgrade	33,660	29,550	42,149	39,460	32,766	33,330	30,932	31,341	Continuing	TBD
4832	Precision Location and Identification (PLAID)	5,329	20,088	0	0	0	0	0	0	0	52,966
8462	Airborne Electronic Attack	1,337	5,300	26,432	0	0	145,135	105,596	70,878	Continuing	TBD
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

BPAC 653891 (AIRCM) includes three subprojects: Loitering EW Killer (LEWK) ACTD, Advanced Strategic and Tactical Infrared Expendables (ASTE), and software upgrades to the passive UV missile warner, the AAR-47. BPAC 658462 (MALD) has been expanded and renamed Airborne Electronic Attack (AEA). BPAC 658462 includes the Air Force AEA initiatives to develop electronic attack capabilities in support of Air Force, Joint, and Global Strike Task Force operations. In FY2003, BPAC 653945 RF Towed Decoy Systems, was renamed TEWS Upgrade.

(U) A. Mission Description

This program element (PE) consolidates engineering development efforts related to Air Force Electronic Warfare (EW) requirements and counter air defense requirements. It centralizes USAF funding and management of common EW systems development. These funds transition EW technologies to an installed operational capability. This PE executes projects to provide capabilities to avoid or degrade enemy acquisition, tracking and attack of DoD operational platforms. These projects include electro-optical (EO), infrared (IR), radio frequency (RF) and laser situational awareness and self protection systems, command and control warfare (C2W) electronic attack systems, and the test equipment needed to support them.

Page 1 of 28 Pages

Exhibit R-2 (PE 0604270F)

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

DATE

February 2003

BUDGET ACTIVITY

PE NUMBER AND TITLE

05 - System Development and Demonstration (SDD)

0604270F EW Development

(U) B. Budget Activity Justification

A key criterion for the included projects in this program element is the need for engineering and manufacturing developmental activities, therefore these programs are in Budget Activity 5 - System Demonstration and Engineering Development (SDD).

(U) <u>C. Program Change Summary (\$ in Thousands)</u>

		<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Total Cost</u>
(U)	Previous President's Budget	42,546	65,082	57,856	TBD
(U)	Appropriated Value	42,967	69,582		
(U)	Adjustments to Appropriated Value				
	a. Congressional/General Reductions	-421	-736		
	b. Small Business Innovative Research	-331			
	c. Omnibus or Other Above Threshold Reprogram	0	-1,620		
	d. Below Threshold Reprogram	1,837			
	e. Rescissions	-214			
(U)	Adjustments to Budget Years Since FY 2003 PBR	0	0	16,178	
(U)	Current Budget Submit/FY 2004 PBR	43,838	67,226	74,034	TBD

(U) Significant Program Changes:

FY2003 Project 65011, JSECST, moved \$1.1M from TEWS Upgrade to payback funds given up in FY02 for PBL program.

FY2003 Project 653891, AIRCM, subproject LEWK received Congressional plus-up of \$3.2M; database correction (all years) that moved subproject AAR-47 from TEWS Upgrade to AIRCM; \$1.5M moved from TEWS Upgrade to continue Comet testing.

FY2003 Project 653945, TEWS Upgrade, received Congressional reduction of \$8.7M; \$1.1M moved to JSECST; \$1.5M moved to AIRCM for Comet testing; database correction (all years) moved AAR-47 from TEWS Upgrade to AIRCM. FY2004, \$9.2M moved to MALD.

FY2003 Project 654832, PLAID, received Congressional plus-up of \$10M.

FY2002 added \$1.3M to conduct studies. FY2004 Project 658462, AEA, \$26.4M increase to MALD for SDD (\$9.2M from TEWS; \$10M from ALE-50 production; \$7.8M other AF reprogramming).

Page 2 of 28 Pages

Exhibit R-2 (PE 0604270F)

	RDT&E BUDGET ITEM	JUSTIF	ICATIO	N SHE	ET (R-	2A Exh	ibit)		DATE	Februar	y 2003
	ET ACTIVITY System Development and Demonstration (SDD) PE NUMBER AND TITLE 0604270F EW Development										PROJECT 1011
	COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
1011	Joint Service Electronic Combat Systems Tester	2,521	2,796	0	0	0	0	0	0	0	48,434

(U) A. Mission Description

The Joint Service Electronic Combat Systems Tester (JSECST) fills a combined Air Force and Navy operational requirement for a small, adaptable, and highly mobile tester capable of verifying system level performance of installed electronic countermeasures systems. JSECST provides an organizational-level flight line capability for verifying operational status of aircraft-installed electronic combat (EC) systems including Group A antennas and transmission lines. JSECST will fill a void in current Air Force end-to-end test capability. The JSECST system consists of core test sets (CTS), nomenclature AN/USM-670, test program sets (TPS), and software development stations (SDS). The CTS provides the stimulus, measurement, operator-interface, analysis and control functions common across all applications. The TPSs provide aircraft specific hardware interfaces and software packages to employ the CTS. The SDS provides computer resources for developing and maintaining CTS and TPS software. Initial TPS will support the F-15C. The Follow-on Test Program Set (FOTPS) program will design, develop, assemble, integrate, test, and deliver TPSs for use with the CTS for additional aircraft. The follow-on Air Force platforms include the F-15E, F-16 (Blocks 25/30/32/40/42/50/52), and OA/A-10. Navy platforms include the AV-8B, F/A-18 A/B and the F-14 B/D. (Navy platforms will be funded by the Navy.) JSECST is intended to meet the organizational level support equipment requirements of electronic combat systems for service through a 20-year life cycle. Deliveries begin in FY03 for initial platforms.

(U) FY 2002 (\$ in Thousands)

(U) \$0	Accomplishments / I	Planned	Program
----	-------	---------------------	---------	---------

(U) \$1,760
 (U) \$324
 (U) \$200
 (U) \$237
 Continue FOTPS Contract Continue SPO Support Continue Government Test Continue TPS Lab Support

(U) \$2,521 Total

(U) FY 2003 (\$ in Thousands)

(U) \$0 Accomplishments / Planned Program

(U) \$1.635 Continue FOTPS Contract

(U) \$500 Development of Performance Based Logitics (PBL) Program

(U) \$390 Continue SPO Support (U) \$169 Continue Government Test

Project 1011 Page 3 of 28 Pages Exhibit R-2A (PE 0604270F)

	RDT&E BUI	OGET IT	EM JUS	TIFICAT	TON SH	EET (R-	2A Exhi	bit)		PATE Februa	ry 2003
	GET ACTIVITY System Development	and Dem	onstratio	n (SDD)	=	NUMBER AND 04270F		opment	•		PROJECT 1011
(U)	A. Mission Description Cont	<u>inued</u>									
(U) (U) (U)	FY 2003 (\$ in Thousands) Co \$102 Continu \$2,796 Total	ntinued ue TPS Lab S	upport								
(U) (U) (U)	FY 2004 (\$ in Thousands) \$0 Accom \$0 Total	plishments /]	Planned Prog	ram							
(U)	B. Project Change Summary \$1.1M reprogrammed in FY 0		c of funding §	given up in F	Y02 and for	development	al cost for PE	BL program.			
	FY03 efforts will continue into	o FY04 using	FY03 funds								
(U)	C. Other Program Funding S	•									
		FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	<u>Cost to</u> Complete	Total Cost
(U)	AF RDT&E Other APPN										
(U)	Aircraft Procurement, AF PE 27442F (Common ECM Equipment), In Service Direct Ground Support Equipment	24,072	5,400	0	0	0	0			0	29,472
	Initial Spares	151	313	0	0	0	0			0	464
(U)	Total Aircraft Porcurement, AF	24,223	5,713	0	0	0	0			0	29,936
(U)	D. Acquisition Strategy The acquisition strategy is comsupport contract is sole source.	-	-plus contrac	ts for CTS d	evelopment.	FOTPS acqu	isition strate	gy is a sole s	ource, cost-p	lus contract. Prod	uction and
P	roject 1011				Page 4 of	28 Pages				Exhibit R-2A (PE 0604270F)

	RDT&E BUDGET ITEM JUSTIFICAT	ΓΙΟΝ	TON SHEET (R-2A Exhibit)								DATE February 2003			
	SET ACTIVITY System Development and Demonstration (SDD)			MBER AN 270F		evelop	ment		•			PROJ 101		
(U)	E. Schedule Profile		<u>FY</u>	2002			FY :	2003			<u>FY 2</u>	2004		
(U) (U) (U)	CTS Production Lot 2 award CTS Production Lot 3 award Complete FOTPS Development * - Denotes a completed event X - Denotes a planned event - Slippage in core Test Sets for SDD were not available as planned c	1 eausing	2 a four mo	3 * nth slip.	4	1	2	3 X	4	1	2 X	3	4	
F	roject 1011	Pag	ge 5 of 28	Pages					E	Exhibit F	R-2A (PE	E 06042	70F)	

	RDT&E PROG	RAM ELE	MENT/P	ROJECT C	OST BI	REAKDO	WN (R-3)		DATE February 2003		
	ET ACTIVITY System Developmen	nt and Demo	nstration	(SDD)		SER AND TITLE	evelopmer	nt			PROJECT 1011
(U)	A. Project Cost Breakdown	ı (\$ in Thousan	ds)								
(U)	FOTPS Contracts						<u>FY 2</u> 1,	<u>2002</u> ,760	FY 200 1,63		FY 2004
(U) (U)	Development of Performance SPO Support	e Based Logisito	s (PBL) Progr	am				0 324	50 39		
(U)	Government Test							200	16		
(U) (U)	FOTPS Lab Support Total							237 ,521	10 2,79		
, ,	B. Budget Acquisition Histo	rry and Plannin	a Informatio	n (\$ in Thousan	Ja)		۷,	,321	2,15	70	
, ,	Performing Organizations:	•	ig imormanoi	ii (5 iii 1 iiousaiic	<u>15</u>]						
(0)	Contractor or	Contract									
	<u>Government</u>	Method/Type	Award or	Performing	<u>Project</u>	T . 1 D .	D 1	D 1	Б. 1	D 1	TD . 1
	Performing Activity	or Funding Vehicle	Obligation Date	<u>Activity</u> <u>EAC</u>	Office EAC	Total Prior to FY 2002	Budget FY 2002	Budget FY 2003	Budget FY 2004	Budget to Complete	
	Product Development Organi	izations								•	
	AAI FO TPS AAI	CPAF CPIF	Mar 96 Jun 00	28,340 6,325	28,340 6,325	26,922 2,933	1,760	1,635		0	26,922 6,328
	Support and Management Or		Juli 00	0,323	0,323	2,933	1,700	1,033		U	0,328
	Performance Based Logistcs		17			11.752	204	500		0	500
	ASC/SMNT, NAVAIR, Wright Labs		Various			11,753	324	390		0	12,467
	Test and Evaluation Organiza 53 EWG, 46 TW, Eglin AFB FL					1,509	437	271		0	2,217
	TL.										
Pi	roject 1011			Pag	e 6 of 28 Pa	iges			Exhib	it R-3 (PE (0604270F)

RDT&E PROGRAM ELEMENT/PROJECT	COST BREAKDO	WN (R-3)		DATE F e	February 2003		
BUDGET ACTIVITY	PE NUMBER AND TITLE	_		•	P	ROJECT	
05 - System Development and Demonstration (SDD)	0604270F EW De					011	
	Total Prior	Budget	Budget	Budget	Budget to	<u>Total</u>	
Subtotals	to FY 2002	FY 2002	FY 2003	FY 2004	Complete	Program	
Subtotal Product Development	29,855	1,760	1,635		0	33,250	
Subtotal Support and Management	11,753	324	890		0	12,967	
Subtotal Test and Evaluation	1,509	437	271		0	2,217	
Total Project	43,117	2,521	2,796		0	48,434	
Project 1011	Page 7 of 28 Pages			Exhib	it R-3 (PE 06	04270F)	

	RDT&E BUDGET ITEM	JUSTIF	ICATIO	N SHE	ET (R-	2A Exh	ibit)		DATE	Februar	y 2003
	ET ACTIVITY System Development and Demons	SDD)	PE NUMBER AND TITLE 0604270F EW Development							PROJECT 3891	
	COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
3891	Advanced IR Counter Measures (AIRCM)	991	9,492	5,453	3,094	3,128	3,166	3,200	3,278	Continuing	TBD

^{*}Advanced Infrared Countermeasures (AIRCM) now includes three subprojects: Advanced Strategic and Tactical IR Expendables (ASTE), software development to AAR-47, and Loitering Electronic Warfare Killer (LEWK) Advanced Concept Technology Development (ACTD).

(U) A. Mission Description

The Advanced IR Countermeasure (AIRCM) project contains related aircraft self-protection efforts aimed at increasing aircraft survivability against the increasing threat of sophisticated surface-to-air and air-to-air missiles, which may employ such features as next-generation electro-optics or dual IR and radio frequency seekers. AIRCM currently consists of three efforts, the USAF/USN Advanced Strategic and Tactical IR Expendables (ASTE) program, USAF/USN AAR-47 software development and Loitering Electronic Warfare Killer (LEWK) ACTD. ASTE will provide advanced IR expendable countermeasures that will be functionally compatible with existing ALE-40, 45, and 47 dispenser systems and will be employed across multiple USAF weapon systems and the USN F/A-18 E/F. In addition, ASTE includes development of the Comet Pod that will dispense covert infrared countermeasures. This also explicitly includes any/all flare and decoy development that may be demanded or needed in current operations supporting the war on terrorism regardless of aircraft platform. These activities may also be paid for under platform specific funding. The AAR-47 software development supports two configurations of software intended to decrease the AAR-47 false alarm rate and improve threat detection for all large body aircraft. AAR-47 will also support engineering and testing efforts for missile warning identified by users. The Loitering Electronic Warfare Killer (LEWK) (ACTD) will demonstrate a long-endurance UAV for jamming and payload delivery. This ACTD was approved in FY01 and the USAF has been designated the lead service.

(U) <u>FY 2002 (\$ in Thousands)</u>

(U)	\$0	Accomplishments / Planned Program	n
-----	-----	-----------------------------------	---

(U) \$0 LEWK ACTD Contract

(U) \$0 Continue ASTE Flare Development

(U) \$0 Continue COMET Pod Force Development

(U) \$991 AAR-47 Software Development

(U) \$991 Total

(U) FY 2003 (\$ in Thousands)

(U) \$0 Accomplishments / Planned Program

(U) \$5,195 LEWK ACTD Contract

(U) \$2,203 Continue ASTE Flare Development

(U) \$1,500 Continue COMET Pod Force Development

Project 3891 Page 8 of 28 Pages Exhibit R-2A (PE 0604270F)

	RDT&E BUD	GET IT	EM JUS	TIFICAT	TON SH	EET (R-	2A Exhil	bit)]	PATE Februa	ary 2003
	GET ACTIVITY - System Development	and Dem	onstratio	n (SDD)		NUMBER AND 04270F		opment			PROJECT 3891
(U)	A. Mission Description Conti	nued									
(U) (U) (U)	FY 2003 (\$ in Thousands) Con \$594 AAR-47 \$9,492 Total		evelopment								
(U) (U) (U) (U) (U) (U) (U)	\$2,481 LEWK 2 \$2,011 Continue \$0 Continue	ACTD Contr e ASTE Flar e COMET P	Planned Prog ract re Developmo rod Force Development	ent							
(U)	B. Project Change Summary ASTE FY02 funding was trans Entire AAR-47 funding line was of \$3.2M.			_			_				
(U)	C. Other Program Funding S	ummary (\$ FY 2002 Actual	in Thousand FY 2003 Estimate	<u>ls)</u> <u>FY 2004</u> <u>Estimate</u>	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cos
(U) (U) (U)	AF RDT&E Other APPN Procurement of Ammunition, AF, PE 28030F, 356010	11,666	24,321	31,841	32,259	30,036	31,246	123,440	125,120	Continuing	Continuing
(U)	Flares LEWK ACTD (OSD PE63750D)	5,000	1,000	1,000	500	0	0	0	0	Continuing	
	LEWK ACTD (USN PE0603502N)	0	1,000	1,000	0	0	0	0	0	Continuing	
	LEWK ACTD (US Army Project 3891	0	1,000	1,000	0 Page 9 of	0 28 Pages	0	0	0	Continuing Exhibit R-2A	(PE 0604270F)

	RDT&E BUD	GET IT	EM JUS	TIFICAT	ION SH	EET (R-	2A Exhil	bit)	D.	ATE Februar y	y 2003
	SET ACTIVITY System Development	and Dem	onstratio	n (SDD)		NUMBER AND 04270F		opment			PROJECT 3891
	C. Other Program Funding S PE0603003) LEWK ACTD (USMC PE63640M)	ummary (\$ FY 2002 Actual	in Thousand FY 2003 Estimate	FY 2004 Estimate 500	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete Continuing	Total Cost
	D. Acquisition Strategy The planned acquisition strategy AAR-47 activities are a time an Comet pod testing is fixed price LEWK is an ACTD under OSD	d materials o	contracted ac	tivity.	ned upon Mi	litary Utility	Assessment i	n FY04.			
(U)	E. Schedule Profile										
					1 2	FY 2002 2 3	4 1	<u>FY 2</u> 2	003 3 4	1 2	2004 3 4
(U)	ASTE OT&E - Fighter				1 2			2	3 1	1 2	3
(U)	ASTE MS III - Fighter					*					
(U)	ASTE DT&E-Transport								X		
, ,	ASTE OT&E -Transport								X		
, ,	ASTE Milestone III - Transport									X	
` /	ASTE DT&E/OT&E Follow-O										X
, ,	AAR-47 Analyze Data (V21.2)						*				
, ,	AAR-47 SW Development Con	, ,			*	<					
	AAR-47 Collect/Validate Data						*	**			
` '	AAR-47 Collect/Validate Data	(V22.x)						X			
` '	AAR-47 Modeling/Simulation	4						X	v		
, ,	AAR-47 Algorithm Developme								X	X	
	AAR-47 Software Developmen AAR-47 Hardware testing	IL								X	X
` '	LEWK ACTD Retractable Win	o develonme	ent						X		Λ
(0)	LL II K ACID Renaciable Will	ig acveropine	J11t						11		
Р	roject 3891				Page 10 of	f 28 Pages				Exhibit R-2A (P	E 0604270F)

	RDT&E BUDGET ITEM JUSTIFICAT	ION	SHEE	T (R	-2A E	chibit	:)		DAT	Fe	bruary	2003	
	GET ACTIVITY - System Development and Demonstration (SDD)				ND TITLE EW D e	evelop	ment					PROJI 389 1	
(U)	E. Schedule Profile Continued	1		2002 3	4	1		2003	4	1	<u>FY 2</u>		4
(U)	LEWK ACTD Vehicle jammer downselect * - Denotes a completed event X - Denotes a planned event	1	2	3	4	1	2	3 X	4	1	2	3	4
F	Project 3891	Page	e 11 of 28	Pages					ı	Exhibit F	R-2A (PE	06042	70F)

	RDT&E PRO	GRAM ELE	MENT/P	ROJECT	COST BI	REAKDO	WN (R-3)		DATE F	ebruary 2	003
	System Developme	nt and Demo	onstration	(SDD)	=	ER AND TITLE 70F EW DE	evelopmer	nt		-	PROJECT 3891
(U)	A. Project Cost Breakdow	n (\$ in Thousan	<u>ds</u>)								
							FY 2	2002	FY 20	03	FY 2004
(U)	ASTE Prime Contract Costs	S						0		10	584
(U)	ASTE Test & Evaluation							0	57	71	547
(U)	ASTE Verification & Valid	ation						0		0	0
(U)	ASTE Modeling and Simula	ation						0	40)9	390
(U)	ASTE Mission Support							0	51	13	490
(U)	Comet Pod Force Developm	nent Evaluation P	hase II					0	1,50	00	0
(U)	AAR-47 Modeling & Analy	ysis						250	20	00	450
(U)	AAR-47 Algorithm Develo	pment / live fire t	esting / data co	ollection				455	30	00	261
(U)	AAR-47 Correction of Defi	ciencies / softwar	re developmen	t / hardware tes	ting			286	Ģ	94	250
(U)	LEWK ACTD support							0	5,19	95	2,481
(U)	Total							991	9,49	92	5,453
(U)	B. Budget Acquisition Hist	tory and Plannir	ng Informatio	n (\$ in Thousa	nds)						
(U)	Performing Organizations	:									
(-)	Contractor or	<u>Contract</u>									
	Government	Method/Type	Award or	Performing	Project						
	Performing	or Funding	Obligation	Activity	Office	Total Prior	Budget	Budget	Budget	Budget to	<u>Total</u>
	Activity	Vehicle	Date	EAC	EAC	to FY 2002	FY 2002	FY 2003	FY 2004	Complete	Program
	Product Development Organ	nizations									
	ASTE - Development	CP	Oct 92	8,324	8,324	19,120	0	710	584	Continuing	TBD
	AAR-47 - GTRI (V22)	T&M	Various	0	0	949	991	294	700	Continuing	TBD
	Comet Pod FDE Phase I	Fixed Price	Mar 01	700	0	700	0	0	0		700
	Support and Management O	rganizations									
	ASTE M&S	PR	Various		2,554	1,609	0	409	390	Continuing	TBD
	ASTE V&V - Mac B	PR	Various		789	509	0	0	0	Continuing	TBD
	ASTE - Misc	Various	Various		Continuing	36,672	0	513	490	Continuing	TBD
	LEWK ACTD -	ACTD	Various		Continuing	0	0	5,195	2,481	Continuing	TBD
	MARSYSCOM										
P	roject 3891			Pa	ge 12 of 28 Pa	ages			Exhil	oit R-3 (PE 0)604270F)

RDT&E PROGRAM ELEMENT/PROJECT CO	ST BRE	AKDO	WN (R-3)		DATE February 2003			
	PE NUMBER / 0604270F		evelopmer	nt	•	P	ROJECT 8 891	
AAR-47 Live Fire Test / Data Collection Comet Pod FDE Phase II Subtotals Subtotal Product Development Subtotal Support and Management Subtotal Test and Evaluation Total Project		1,161 282 17,092 otal Prior FY 2002 20,769 38,790 18,535 78,094	0 0 0 0 8udget FY 2002 991 0 0 991	571 0 300 1,500 <u>Budget</u> <u>FY 2003</u> 1,004 6,117 2,371 9,492	547 0 0 261 0 <u>Budget</u> <u>FY 2004</u> 1,284 3,361 808 5,453	Continuing Continuing Continuing Continuing Budget to Complete TBD TBD TBD TBD TBD	TB: TB: TB: TB: Tota Progra TB: TB: TB:	

RDT&E BUDGET ITEM	RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit) ET ACTIVITY System Development and Demonstration (SDD) PE NUMBER AND TITLE 0604270F EW Development											
BUDGET ACTIVITY 05 - System Development and Demons	tration (SDD)		_		elopmen	t			PROJECT 3945		
COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost		
3945 TEWS Upgrade	33,660	29,550	42,149	39,460	32,766	33,330	30,932	31,341	Continuing	TBD		

^{*} This program is being restructured to accomodate the cancellation of the B-1B Defensive System Upgrade Program (DSUP) and the FY03 Congressional Reduction of \$8.7M. In FY2003, BPAC 653945, RF Towed Decoy Systems, was renamed TEWS Upgrade.

(U) A. Mission Description

The majority of this program develops, integrates, and fields the AN/ALQ-135 Tactical Electronic Warfare System (TEWS) to be used internally on 438 F-15 C/E aircraft. In addition, it provides for Air Force participation/cost share in the Navy-led Integrated Defensive Electronic Countermeasures (IDECM) program to jointly develop a Fiber Optic Towed Decoy (FOTD) for the F-15C/E and F/A-18E/F. The Air Force will integrate the FOTD with the AN/ALQ-135 on the F-15C/E and provide for Air Force unique development, integration and testing of the FOTD that is not covered by the Navy-led joint development effort. The Air Force also participates in techniques generator and FOTD risk reduction efforts. FY04 will start the integration of the decoy on the ALQ-135 for the F-15 C/E aircraft.

The AN/ALQ-135 on-board system improves Electronic Countermeasure performance against Tier 1 threat systems, improves system reliability, and replaces a multitude of obsolete subsystems. The RF towed decoy is a low cost RF countermeasure that increases survivability as a supplement to the TEWS capability against monopulse, semi-active, and active RF missile threats during the terminal portion of an engagement.

*A minor part of the TEWS program is flight testing the FOTD and its variants on the B-1B in conjunction with the B1-B DSUP program. The TEWS program is being restructured to address the cancellation of B-1B DSUP & the FY03 congressional reduction of \$8.7M.

(U) <u>FY 2002 (\$ in Thousands)</u>

(U) \$0 Accomplishments/Planned Program

(U) \$6,363 IDECM Common

(U) \$25,319 F-15 (ALQ-135, FOTD, Flight Test)

(U) \$1,978 Mission and Test Support

(U) \$33,660 Total

Project 3945 Pages Exhibit R-2A (PE 0604270F)

	RDT&E BUI	OGET IT	EM JUS	TIFICAT	ION SH	EET (R-2	2A Exhil	oit)	D	Februar	y 2003
	GET ACTIVITY - System Development	and Dem	onstratio	n (SDD)		NUMBER AND 04270F		opment			PROJECT 3945
(U)	A. Mission Description Cont	<u>inued</u>									
(U) (U) (U) (U) (U) (U)	\$3,780 IDECM \$23,048 F-15 (A	plishments/Pl I Common LQ-135, FO n and Test Su	TD, Flight To								
(U) (U) (U) (U) (U) (U)	\$2,700 IDECM \$36,024 F-15 (A	plishments/Pl I Common LQ-135, FO n and Test Su	TD, Flight To								
(U)	B. Project Change Summary This program is being restruct congressional rescission of \$0.	ured due to th					_			ional reductions in	clude FY03
	* Database correction (all year	s) moved AA	R-47 from T	EWS Upgra	de to AIRCM	1.					
(U)	C. Other Program Funding S	•									
	AE DOT 6 E	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	<u>Total Cost</u>
(U) (U) (U)	AF RDT&E Other APPN Aircraft Procurement, AF PE 027442F, War	0 0	0 0	0 0	0 0	0 24,624	0 25,460	0 29,068	0 29,590	Continuing	Continuing
(U)	Consumable (RF towed decoys) Aircraft Procurement, AF PE	0	0	0	0	250	795	770	865	Continuing	Continuing
F	roject 3945				Page 15 of	28 Pages				Exhibit R-2A (F	PE 0604270F)

	RDT&E BUI	OGET IT	EM JUS	TIFICAT	ION SH	EET (R-	2A Exhi	bit)	D	PATE Febru i	ary 2003
	GET ACTIVITY - System Development	and Dem	onstratio	n (SDD)		NUMBER AND 04270F		opment			PROJECT 3945
(U)	C. Other Program Funding S 027442F, Initial Spares	Summary (\$ FY 2002 Actual	in Thousand FY 2003 Estimate	ls) FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
	Aircraft Procurement, AF PE 027442F, Mods (B-1B) Aircraft Procurement, AF PE 027442F, Mods (F-15)	0	0	0	0	0 21,277	0 21,743	0 22,330	0 22,673	Continuing Continuing	Continuing Continuing
(U)	D. Acquisition Strategy The acquisition strategy for ID with full and open competition			etitive, cost-p	lus incentive	fee /award fe	ee. The prod	uction contra	et is intended	l to be sole sour	ce for first two lots
(U) (U) (U) (U) (U) (U) (U)	B-1B Defensive Systems Upgr B-1 DSUP Flight Test Reading B-1B DSUP Developmental To B-1B DSUP Operational T&E F-15 ALQ-135 Techniques Ge F-15 FOTD CDR (Software) F-15 FOTD Thermal Survey F F-15 FOTD (ALE-55, FO-50) A/C Integ ALQ-135 Upgrade (ALQ-135 (Suite 5 DT&E) 1x4 DCL SCA functional conf Note: F-15 FOTD decoy testir * - Denotes a completed event X - Denotes a planned event	ess Review (F &E (canceled (1Q05) - (can nerator Critical light Test Aero Demo f Enters Suite	FTRR) d) nceled) cal Design Re flight test, Ph 5)	eview (CDR) ases 2 & 3	1 2 *	\$	4 1 *	X	003 3 4 X	1 2	J ,
Р	Project 3945				Page 16 of	f 28 Pages				Exhibit R-2A	(PE 0604270F)

	RDT&E PROG	RAM ELE	MENT/PF	ROJECT C	OST BI	REAKDO	WN (R-3))	DATE F	ebruary 2	2003
	GET ACTIVITY System Developmen	t and Demo	onstration ((SDD)	-	ER AND TITLE 70F EW De	evelopmer	nt	•	-	PROJECT 3945
(U)	A. Project Cost Breakdown	ı (\$ in Thousan	ds)								
(U) (U) (U) (U)	Integrated Defensive Electro F-15 (ALQ-135, FOTD, Flig Mission and Test Support Total		sures (IDECM)	Common			6, 25, 1,	2002 ,363 ,319 ,978 ,660	FY 20 3,7 23,0 2,7 29,5	80 48 22	FY 2004 2,700 36,024 3,425 42,149
(U)	B. Budget Acquisition Histo	ory and Plannii	ng Information	(\$ in Thousan	<u>ds</u>)						
(U)	Performing Organizations: Contractor or Government Performing	Contract Method/Type or Funding	Award or Obligation	Performing Activity	Project Office	Total Prior	Budget	Budget	Budget	Budget to	Total
	Activity Product Development Organi	<u>Vehicle</u>	Date	EAC	EAC	to FY 2002	FY 2002	FY 2003	FY 2004	Complete	
	USAF IDECM: Developmen BAE		Nov 95	51,706	51,706	47,226	980	2,100	0	Continuing	TBD
	Development Raytheon	CPIF	Jan 96	17,722	17,722	17,722	0	0	0	Continuing	TBD
	F-15 IDECM Integration- Boeing/LMT/Northrop	CPFF	Aug 97	177,516	177,516	34,128	23,440	20,410	28,689	Continuing	TBD
	USAF IDECM: Developmer BAE	ntCPFF	Feb 01	14,353	14,353	1,167	1,386	432	2,160	Continuing	TBD
	Raytheon Development IDECM Misc Development Contracts (IMPLC/Alt. Strategy/Flt Test Assets) Support and Management Or	CPFF Various ganizations	Nov 01	11,788 20,055	11,788 20,055	0 3,191	3,099 418	963 2,340	1,130 7,230	Continuing Continuing	
	ASC/AA - IDECM	Various	As required	N/A		3,102	4,207	1,440	1,540	Continuing	TBD
Р	roject 3945			Pag	e 17 of 28 Pa	iges			Exhi	bit R-3 (PE	0604270F)

RDT&E PROGRAM ELEM	ENT/PROJECT C	OST BREAKDO	WN (R-3))	DATE F	ebruary 20	2003	
DGET ACTIVITY 5 - System Development and Demonst	tration (SDD)	PE NUMBER AND TITLE 0604270F EW De	evelopmer	nt			PROJECT 3945	
) Performing Organizations Continued:								
Test and Evaluation Organizations								
AFOTEC	N/A	1,600	0	0	0	Continuing	TB	
Flight Test Support	N/A	156	0	0	0	Continuing	TE	
Eglin Flight Test Support	N/A	845	55	1,380	1,400	Continuing	TI	
Naval Research Lab (NRL)	N/A	0	75	485	0	Continuing	TI	
		Total Prior	Budget	Budget	Budget	Budget to	<u>To</u>	
Subtotals		to FY 2002	FY 2002	FY 2003	FY 2004	Complete	<u>Prog</u>	
Subtotal Product Development		103,434	29,323	26,245	39,209	TBD	Tl	
Subtotal Support and Management		3,102	4,207	1,440	1,540	TBD	T	
Subtotal Test and Evaluation		2,601	130	1,865	1,400	TBD	Tl	
Total Project		109,137	33,660	29,550	42,149	TBD	T	
Project 3945	D.	e 18 of 28 Pages			P. J. 19	oit R-3 (PE 06	00.40.701	

	RDT&E BUDGET ITEM	JUSTIF	ICATIO	N SHE	ET (R-	2A Exh	ibit)		DATE	Februar	y 2003
	GET ACTIVITY System Development and Demons	tration (SDD)		IUMBER ANI)4270F	TITLE EW Deve	elopmen	t			PROJECT 4832
	COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
4832	Precision Location and Identification (PLAID)	5,329	20,088	0	0	0	0	0	0	0	52,960
(U) (U) (U) (U) (U) (U) (U) (U) (U)	A. Mission Description Precision Location and Identification (PLAID) widentification. Threat systems can disrupt or negathreat information from a modernized Radar Warresponses short of mission abort or violent aircrainformation to allow the aircrews to reroute arou Some modifications may be necessary to optimiz ALR-69 RWR but PLAID technology can also be (location, type, ID) to other systems are under configuration of the system and the system and the system are under configuration of the system and the system	nte operation rning Received ft maneuver and hostile and the geolocation e applied to ansideration.	nal missions wer (RWR) ring. Know reas. PLA on performa other RWF	s, even with will assist to will assist to ing threat leads to will, whence and micks. Addition	nout firing, he aircrews ocation will ere feasible inimize elec- nal related	by requiring in determing help an air , utilize exist tromagnetic enhancemen	g aircrew rea ning precise crew respon sting aircraft c interferen- nts to providents	actions that e threat rang nd 'real-tim ft RWR ant ce. PLAID de the capal	affect miss ge/direction e' to threats ennas and v developme bility to pas	sion objectives and providing by providing (Ground ent is current s ground ent	es. Improved le option g accurate p A hardware). ly focused on th hitter target data
(U)	FY 2003 (\$ in Thousands)										
(U) (U) (U) (U) (U) (U) (U) (U)	\$0 Accomplishments/Planned \$7,323 Core EMD, hardware/soft \$6,759 SDD risk reduction and ge \$900 Program Office Support \$1,887 SOF C-130 SPD Support \$1,350 System Engineering Supp \$1,869 SOF C-130 DT&E/OT&E \$20,088 Total	ware designed of the colocation of the colocation of the color of the	ptions, hard	lware/softw	-			uding \$248.	K award fee	e)	

Project 4832

Exhibit R-2A (PE 0604270F)

DATE RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit) February 2003 PE NUMBER AND TITLE BUDGET ACTIVITY **PROJECT** 05 - System Development and Demonstration (SDD) 0604270F EW Development 4832 **(U)** A. Mission Description Continued (U) FY 2004 (\$ in Thousands) (U) \$0 Accomplishments/Planned Program (U) \$0 Total **B. Project Change Summary** In FY03 Congress added 10M to provide the capability to pass ground emitter target location to other systems and to provide for additional risk reduction activities. (U) C. Other Program Funding Summary (\$ in Thousands) FY 2004 FY 2002 FY 2003 FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 Cost to **Total Cost** Actual **Estimate Estimate Estimate Estimate Estimate Estimate Estimate Complete** (U) PE27442F Common ECM 9,698 10,243 10,896 11,240 11,560 11,721 Continuing Equipment (U) PE41115F ALR-69 (RWR) 15,635 32,967 36,704 Continuing 19,465 14,436 33,628 36,392 AMC C-130 Airlift Squadrons. PLAID procurement to commence in FY04 (U) D. Acquisition Strategy Acquisition was accomplished through full and open competition. The SDD contract was awarded to Raytheon Corporation in August 2001. Program is based on 'Evolutionary Acquisition Strategy'. - CORE SDD: SOF-130 DT/OT (addresses 3 of 4 KPPs) - Option 1: F-16 DT/OT - Option 2: Risk Reduction - Option 3: F-16 Geo-Location and SEI (4th KPP) - Option 4: SOF-130 Geo-Location & SEI (4th KPP) - Options 5-10: Production - Option 11: Add Multi-ship Geo-Location Capability (U) E. Schedule Profile FY 2002 FY 2003 FY 2004

Project 4832

Exhibit R-2A (PE 0604270F)

	RDT&E BUDGET ITEM JUSTIFICATION	ON	SHEE	ET (R	2-2A E	Exhib	it)		DAT		bruary	/ 2003	
	GET ACTIVITY - System Development and Demonstration (SDD)				ND TITLE EW C		pment	1				PRO. 483	
(U)	E. Schedule Profile Continued	1	<u>FY</u> 2	2002 3	4	1	<u>FY</u> 2	2003 3	4	1	<u>FY</u> 2	2004 3	4
(U) (U) (U) (U)	Design Reviews (PDR/CDR) Integrated Defensive Avionics Lab Test Readiness Review C-130 Combined Development/Operational Test and Evaluation Start * - Denotes a completed event X - Denotes a planned event	1	<i>2</i> *	3	4	1 *	2	3	4	X	X X	3	4
	DT/OT delayed from fourth quarter FY03 to second quarter FY04 becauted budget.	use o	of aircraft	availab	ility for	flight tes	ting. FY(04 RDT&	&E activi	ties will	be funde	ed from F	Y03
F	Project 4832	Page	e 21 of 28	8 Pages						Exhibit F	R-2A (P	E 06042	70F)

	RDT&E PROC	SRAM ELE	MENT/P	ROJECT C	OST B	REAKDO	WN (R-3)		DATE F e	ebruary 2	003
	GET ACTIVITY · System Developmer	nt and Demo	onstration	(SDD)		SER AND TITLE 70F EW DE	evelopmer	nt		-	PROJECT 4832
(U)	A. Project Cost Breakdown	n (\$ in Thousan	<u>ds</u>)								
								2002	FY 200		FY 2004
(U)	Program Office Support						1.	,057	90		
(U)	SOF C-130 Testing							0	1,86		
(U)	SOF C-130 SPD Support (B		on Beach, FL)					249	1,88		
(U)	System Engineering Support							318	1,35		
(U)	'Core' Engineering and Manu	_	•		sign/develo	pment/test		0	7,32		
(U)	SDD 'Options', hardware/sof	ftware design/de	velopment/test					,705	6,75		
(U)	Total						5.	,329	20,08	8	
	Increase in funding requirem	nent is due to exe	ercise of Option	ns 2 and 4.							
(U)	B. Budget Acquisition Historical	ory and Plannii	ng Informatio	n (\$ in Thousand	<u>ls)</u>						
(U)	Performing Organizations:										
	Contractor or	Contract									
	Government	Method/Type	Award or	Performing	Project						
	Performing	or Funding	Obligation	<u>Activity</u>	Office	Total Prior	Budget	Budget	Budget	Budget to	<u>Total</u>
	<u>Activity</u>	<u>Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>	to FY 2002	FY 2002	FY 2003	FY 2004	Complete	<u>Program</u>
	Product Development Organ	<u>izations</u>									
	WR-ALC/LNRC/Raytheon	Full and open	August 01	TBD	TBD	23,436	0	6,054		0	29,490
		competition/									
		CPAF									
	WR-ALC/LN/Raytheon	Award Fee			TBD	1,005		1,269			2,274
	WR-ALC/LN/Raytheon	SDD Options			TBD		3,705	6,759			10,464
	Survivability Enhancement	WR-ALC/LN	May 01	TBD	TBD	2,500	0	0		0	2,500
	Organizations	for ALR-56C									
		processor									
		upgrade;									
		ASC/AAN for									
		Comet Pod									
Р	roject 4832			Page	22 of 28 Pa	ages			Exhib	it R-3 (PE ()604270F)

	RDT&E PRO	GRAM ELE	EMENT/P	ROJECT (COST B	REAKDO	WN (R-3))	DATE F e	ebruary 20	03
•	GET ACTIVITY					ER AND TITLE			•		ROJECT
05 -	System Developme	ent and Demo	onstration	(SDD)	06042	70F EW De	evelopme	nt			832
(U)	Performing Organization Support and Management O										
	Engineering Services	616	Mar 01	TBD	TBD	225	318	1,350		0	1,893
	Program Office Support/LN	N-1 PR	Sep 01	TBD	TBD	313	697	900		0	1,910
	SOF C-130 SPD (Boeing F	Fort PR	Feb 02	TBD	TBD	0	249	1,887		0	2,136
	Walton Beach, FL)										
	Test and Evaluation Organ	<u>izations</u>									
	Nellis Test Range	TBD	TBD	TBD	TBD	0	125	129		0	254
	Eglin Test Range	PO	01 MAY 02	TBD	TBD	70	235	750		0	1,055
	Lab Testing	616	TBD	TBD	TBD			870			870
	AFOTEC	616	TBD	TBD	TBD			120			120
(U)	Government Furnished P	Contract Method/Type or Funding Vehicle	Award or Obligation Date	<u>Delivery</u> Date		Total Prior to FY 2002	Budget FY 2002	Budget FY 2003	Budget FY 2004	Budget to Complete	<u>Total</u> Program
	Product Development Prop Support and Management I Test and Evaluation Proper	erty Property	<u>Date</u>	Date		10 1 1 2002	<u>1 1 2002</u>	<u>FT 2003</u>	11 2004	Complete	Flogram
						Total Prior	Budget	Budget	<u>Budget</u>	Budget to	<u>Total</u>
	Subtotals					to FY 2002	FY 2002	FY 2003	FY 2004	Complete	<u>Program</u>
	Subtotal Product Developm					26,941	3,705	14,082		0	44,728
	Subtotal Support and Mana					538	1,264	4,137		0	5,939
	Subtotal Test and Evaluation	on				70	360	1,869		0	2,299
	Total Project					27,549	5,329	20,088		0	52,966
P	roject 4832			Pag	e 23 of 28 P	ages			Exhib	it R-3 (PE 06	04270F)

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)										y 2003
BUDGET ACTIVITY 05 - System Development and Demons		PE NUMBER AND TITLE 0604270F EW Development						PROJECT 8462		
COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
8462 Airborne Electronic Attack	1,337	5,300	26,432	0	0	145,135	105,596	70,878	Continuing	TBD

In FY 2003, Project 658462, MALD, was changed to Airborne Electronic Attack (AEA) in order to accurately reflect the initiatives under this project.

(U) A. Mission Description

This project develops critical electronic attack capabilities in support of Air Force and joint operations to include Global Strike Task Force (GSTF). The primary capability in this project is the Miniature Air Launched Decoy (MALD). MALD is a low-cost decoy to stimulate enemy integrated air defense systems (IADS) for detection, location, and both lethal and non-lethal suppression activities. MALD began as A DARPA - led, USAF sponsored ACTD with a planned 'Silver Bullet' buy of 150 systems. In order to fully mature the technology, the' Silver Bullet' buy was canceled and the ACTD transitioned to a formal SDD effort managed by the AF. In June 02, SECAF & CSAF endorsed MALD as a robust development program to support the GSTF. Air Launched Vehicle Investigation (ALVIN) study contracts were completed FY02 providing initial design development, analysis and evaluation which led to an approved acquisition strategy. In FY03, MALD enters into the SDD phase with the milestone B decision and a competitive SDD Contract award.

Beginning in FY07, the USAF AEA initiative expands its scope to develop the other crucial stand-off and stand-in capabilities necessary to give the Joint Forces Air Component Commander (JFACC) a flexible array of tools to cover the entire threat spectrum.

(U) FY 2002 (\$ in Thousands)

(U) \$0 Accomplishments / Planned Program (U) \$1,337 Preparation for SDD / ALVIN

(U) \$1,337 Total

(U) FY 2003 (\$ in Thousands)

(U) \$0 Accomplishments / Planned Program

(U) \$5,300 Preparation for SDD and SDD Contract Award

(U) \$5,300 Total

Project 8462 Pages Exhibit R-2A (PE 0604270F)

	RDT&E BUDGET ITEM JUSTIFICA	ΓΙΟΝ SHEET (R-2A Exhibit)	1	DATE February 20	003
	ET ACTIVITY System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604270F EW Developmen	1		PROJECT 8462
(U)	A. Mission Description Continued				
(U) (U) (U) (U) (U) (U) (U) (U)	FY 2004 (\$ in Thousands) \$0				
(U)	B. Project Change Summary Below Threshold Reprogramming add of \$1.3M FY02 for ALVIN s FY04 \$26.4M increase to MALD for SDD.	tudies.			
(U)	C. Other Program Funding Summary (\$ in Thousands) FY 2002 FY 2003 FY 2004 Actual Estimate Estimate AF RDT&E Other APPN (PE 27442F) MALD production funding anticipated to begin in FY07.	FY 2005 FY 2006 FY 2007 FY 2008 Estimate Estimate Estimate Estimate 42,727	e <u>Estimate</u>	Cost to Complete	Total Cost
	Production funding for other AEA initiatives begins in FY08. D. Acquisition Strategy In FY03, a full and open competition will be conducted, resulting in	award of a SDD contract in FY03.			
(U)	E. Schedule Profile	FY 2002 FY	7 2003	FY 2004	ŀ
P	oject 8462	Page 25 of 28 Pages		Exhibit R-2A (PE 06	604270F)

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)									DAT	DATE February 2003			
=	Set activity System Development and Demonstration (SDD) PE NUMBER AND TITLE 0604270F EW Development								•		,	PROJECT 8462	
(U)	E. Schedule Profile Continued		FY 2002 FY 2003							FY 2	<u> 2004</u>		
(U) (U)	ALVIN mid-term reviews ALVIN submissions SDD contract award *-Denotes a completed event X-Denotes a planned event	1	2	3 *	4 * *	1	2	3 X	4	1	2	3	4
F	Project 8462	Page	e 26 of 28	3 Pages					Е	Exhibit F	R-2A (P	E 06042	70F)

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										February 2003			
	GET ACTIVITY System Developmer	nt and Demo	onstration	(SDD)	-	ER AND TITLE 70F EW De	evelopmer	nt		_	PROJECT 8462		
(U)	A. Project Cost Breakdown	n (\$ in Thousan	<u>ds</u>)				FY 2	2002	FY 20	02	FY 2004		
(U)	Preparation for SDD							337	<u>F1 20</u> 1,5(<u>F1 2004</u>		
(U)	SDD Contract						1,	331	3,80		20,224		
(U)	SPO Support								3,00	50	3,846		
(U)	B-52 Integration										2,025		
(U)	F-16 Integration										232		
(U)	Government Test Planning										105		
(U)	Total						1,	337	5,30	00	26,432		
(U)	B. Budget Acquisition Hist	ory and Plannir	ng Informatio	on (\$ in Thousand	<u>ls</u>)								
(U)	Performing Organizations:	.											
	Contractor or	Contract											
	Government	Method/Type	Award or	Performing	Project								
	Performing	or Funding	Obligation	<u>Activity</u>	Office	Total Prior	Budget	Budget	<u>Budget</u>	Budget to	<u>Total</u>		
	Activity	<u>Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>	to FY 2002	FY 2002	FY 2003	FY 2004	<u>Complete</u>	<u>Program</u>		
	Product Development Organ												
	SDD Contractor TBD	CPAF	May 03	TBD	TBD	39,872	1,157	3,800	20,224	Continuing	TBD		
	B-52 Aircraft Integration					0	0	285	2,025	Continuing	TBD		
	F-16 Aircraft Integration					0	0	200	232	Continuing	TBD		
	Support and Management Or	rganizations											
	AAC/WMGM					5,111	180	965	3,846	Continuing	TBD		
	Test and Evaluation Organiz	ations				4.500	0	50	105	a	The D		
	Eglin AFB-Test Planning					4,500	0	50	105	Continuing	TBD		
(U)	Government Furnished Pro	operty:											
		Contract											
		Method/Type	Award or										
	<u>Item</u>	or Funding	Obligation	<u>Delivery</u>		Total Prior	Budget	Budget	Budget	Budget to	<u>Total</u>		
I	Description	<u>Vehicle</u>	<u>Date</u>	<u>Date</u>		to FY 2002	FY 2002	FY 2003	FY 2004	Complete	<u>Program</u>		
	Product Development Proper	<u>rty</u>											
P	roject 8462			Page	27 of 28 Pa	ages			Exhib	oit R-3 (PE 0	604270F)		
<u> </u>	. 5,550. 5.02			1 age	2, 01 20 10	70-0			_∧iiik		55 .2. 51 /		

RDT&E PROGRAM ELEMENT/PROJEC		DATE February 2003						
BUDGET ACTIVITY 05 - System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604270F EW D							
(U) Government Furnished Property Continued: Support and Management Property Test and Evaluation Property Subtotals Subtotal Product Development Subtotal Support and Management Subtotal Test and Evaluation Total Project	Total Prior to FY 2002 39,872 5,111 4,500 49,483	Budget FY 2002 1,157 180 0 1,337	Budget FY 2003 4,285 965 50 5,300	Budget FY 2004 22,481 3,846 105 26,432	Budget to Complete TBD TBD TBD TBD	Total Program TBD TBD TBD		
Project 8462	Page 28 of 28 Pages			Exhib	it R-3 (PE 06	04270F)		